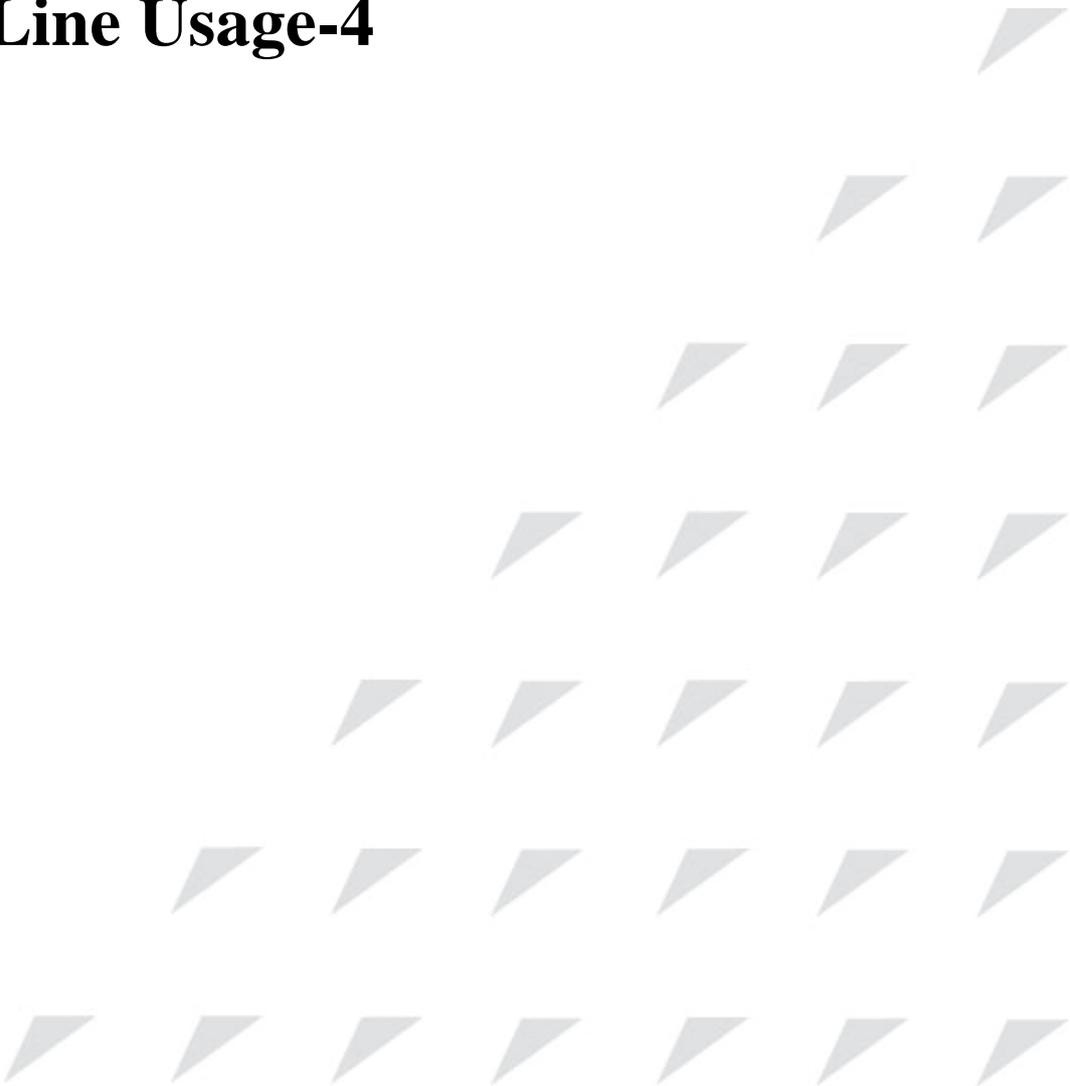


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Command Line Usage-4



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Chapter 1 Relevant Commands of Command Line Usage

1.1 access-list-map

[Function]

Create or delete access-list-map. Use **access-list-map** command to enter access-list-map.

[Command Format]

access-list-map <0-399> {*permit* | *deny*}

no access-list-map <0-399>

[Parameter]

0-399: number of access-list-map.

permit: permit access if conditions are matched.

deny: deny access if conditions are matched.

[Command Modes]

Global configuration mode; Privileged EXEC

[Command Executing Instruction]

This command is used to enter access-list-map mode, the parameter *permit* / *deny* are used to manage access be forwarded or discarded if it is matched. The command just set filter rule of data, usually combines with physical interface or VLAN to make a complete matching rule and it is set during configuration of filter.

[Explanation of command execution echo]

access list map 1 is used, can not modify deny or permit.

Fail to create.

access list map 1 does not exist.

Fail to delete.

access list map 1 is in use! The operation can't be completed!

Fail to delete.

[Example]

Create access-list-map 1:

```
Raisecom(config)# access-list-map 1 deny
```

Delete access-list-map 1:

```
Raisecom(config-aclmap)#exit
```

```
Raisecom(config)# no access-list-map 1
```

[Related commands]

Commands	Description
show access-list-map	Show information of access-list-map.

1.2 class-map

[Function]

Create or delete class-map. Use **class-map** command can separate specify data flow. Matching conditions contain ACL, IP priority and DSCP and class, VLAN.

[Command Format]

class-map *class-map-name* [**match-all** | **match-any**]

no class-map *class-map-name*

[Parameter]

class-map-name: specify the name of a class-map, the maximum size is 16 characters.

match-all: type of class-map, operate AND among matches, default to be match-all.

match-any: type of class-map, operate OR among matches.

[Command Modes]

Global configuration mode, Privileged EXEC

[Command Executing Instruction]

Use **class-map** command can separate specify data flow. Matching criteria contains ACL, IP priority and DSCP and class, VLAN. Create a class-map by this command and enter configuration view (**config-cmap**) and then use match sentence under the view to define flow. Specify type before create a ne class-map, if not, indicate entering configuration view (**config-cmap**).

[Explanation of command execution echo]

Create the class map successfully

Create the class map unsuccessfully

Delete the class map successfully

Delete the class map unsuccessfully

The input name is too long.

The class map does not exist.

The class map has existed.

[Example]

Create class-map:

```
Raisecom(config)# class-map aaa
```

Delete class-map:

```
Raisecom(config-cmap)#exit
```

```
Raisecom(config)# no class-map aaa
```

[Related commands]

Commands	Description
show class-map <i>[class-map-name]</i>	Show class-map information.

1.3 class-map**[Function]**

Use **class** command to specify flow in policy-map configuration mode, the prompt string changes to (config-pmap-c).

[Command Format]

[no] class *class-map-name*

[Parameter]

class-map-name: specify the name of a class-map, the maximum size is 16 characters.

[Command Modes]

PMAP configuration mode, Privileged EXEC

[Command Executing Instruction]

Use **class** command in policy-map can specify flow, the prompt string changes to (config-pmap-c) after using this command. Then it is authorized to set actions for flow.

[Explanation of command execution echo]

Create the class map successfully

Create the class map unsuccessfully

The input name is too long.

The class map does not exist.

[Example]

Create class-map:

```
Raisecom(config-pmap)# class-map aaa
```

Delete class-map:

```
Raisecom(config-pmap)#exit
```

```
Raisecom(config-pmap)# no class-map aaa
```

[Related commands]

Commands	Description
show policy-map <i>[policy-map-name]</i>	Show policy-map information.

1.4 police**[Function]**

Configure action for traffic.

[Command Format]

[no] police *policer-name*

[Parameter]

policer-name: specify the name of policer, maximum length is 16 characters

[Command Modes]

PMAP-C configuration mode; privileged user

[Command Executing Instruction]

Set the plastic action for the traffic.

[Explanation of command execution echo]

Apply the policer successfully.

Apply the policer unsuccessfully.

[Example]

Configure action of traffic:

Raisecom(config-pmap-c)#**police** *aaa*

Cancel action of traffic:

Raisecom(config-pmap-c)#**no police** *aaa*

[Related commands]

Commands	Description
show policy-map <i>[policy-map-name]</i>	Show information of policy-map.

1.5 policy-map

[Function]

Create or delete **policy-map**.

[Command Format]

[no] policy-map *policy-map-name*

[Parameter]

Policy-map-name: specify the name of policy-map, maximum is 16 characters.

[Command Modes]

Global configuration mode; privileged user

[Command Executing Instruction]

Use this command to create a policy-map and enter (config-pmap) configuration view. Use **set**, **trust** command to set the new priority for the traffic or set the new trust relationship under this view. One policy map can include several class map.

[Explanation of command execution echo]

Create the policy map successfully.

Create the policy map unsuccessfully.

Delete the policy map successfully.

Create the policy map unsuccessfully.

The input name is too long.

[Example]

Create policy-map:

```
Raisecom(config)# policy-map aaa
```

Delete policy-map:

```
Raisecom(config-pmap)#exit
```

```
Raisecom(config)# no policy-map aaa
```

[Related commands]

Commands	Description
show policy-map [<i>policy-map-name</i>]	Show information of policy-map.

1.6 show access-list**[Function]**

This command is used to show the ACL information.

[Command Format]

```
show (ip-access-list/mac-access-list) [{0-399}]
```

[Parameter]

ip-access-list/mac-access-list:The ACL type used by filtering rule.

{0-399}:Serial number of ACL, if the parameter is ignored, then that is the all the defined ACL.

[Command Modes]

Global configuration mode; privileged user

[Command Executing Instruction]

This command is used to show the ACL information.

[Explanation of command execution echo]

Show the type of ACL, times for which is cited by the filtering rule, actual number of matching rule and other parameters.

[Example]

Show ip-access-list:

```
Raisecom#show ip-access-list
```

Show mac-access-list 0-5:

Raisecom#**show mac-access-list 0-5**

[Related commands]

Commands	Description
access-list	Defining relevant ACL
no access-list	Delete relevant ACL table.

1.7 show access-list-map

[Function]

This command is used to show ACL map table configured content for relevant type.

[Command Format]

show access-list-map *[0-399]*

[Parameter]

access-list-map: ACL map table

{0-399}: Serial number of ACL, if the parameter is ignored, then that is the all the defined ACL.

[Command Modes]

Global configuration mode; privileged user

[Command Executing Instruction]

This command is used to show the configured content of ACL.

[Explanation of command execution echo]

Show the actual matching rule of ACL map.

[Example]

show access-list-map 10:

Raisecom#**show access-list-map 10**

[Related commands]

Commands	Description
access-list-map	Define related ACL map table.
no access-list-map	Delete related ACL map table.

1.8 show class-map

[Function]

Show class-map information.

[Command Format]

show class-map [*class-map-name*]

[Parameter]

class-map-name: specify the name of class-map, the maximum length is 16 characters.

[Command Modes]

Privileged EXEC; privileged user.

[Command Executing Instruction]

show class-map information

[Explanation of command execution echo]

Raisecom#**show class-map**

Class Map match-any aaa (id 0)

Description:aaaaaaaaaaaaaaaa

Match none

[Example]

Show class-map information:

Raisecom# **show class-map**

[Related commands]

Commands	Description
class-map <i>class-map-name</i> <i>[match-all match-any]</i>	Create class map.
description <i>WORD</i>	Set class map description information.
match	Set match announcement.



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